



STIC Search Report

EIC 3700

STIC Database Tracking Number: 137541

TO: Andres Kashnikow
Location: RND 8a29
Art Unit: 3700
Wednesday, November 10, 2004

Case Serial Number: 10/811796

From: Terry Solomon
Location: EIC 3700
RND 8b31
Phone: 272-3509

terrance.solomon@uspto.gov

Search Notes

No litigation found on US Pat. 5897316.

Sources: Lexis/Nexis and Questel-Orbit

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: ANDY KASHNIKOW Examiner #: 60484 Date: 11/10/04
Art Unit: 3703 Phone Number 308-1137 Serial Number: 101811796
Mail Box and Bldg/Room Location: RND 8A29 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

LIT. SEARCH - U.S. PATENT No. 5,897,316

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Solomon</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>272-3509</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: <u>RND 8b31</u>	Structure (#) _____	Questel/Orbit <u>\$9.79</u>
Date Searcher Picked Up: <u>11-10-04</u>	Bibliographic _____	Dr.Link _____
Date Completed: <u>11-10-04</u>	Litigation <u>✓</u>	<u>Lexis/Nexis</u>
Searcher Prep & Review Time: <u>3</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>4</u>	Other _____	Other (specify) _____

PTO-1590 (8-01)

234290 (08) 5897316 April 27, 1999

Time of Request: November 10, 2004 09:19 AM EST

Research Information:

Utility, Design and Plant Patents
patno=5897316

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5897316

April 27, 1999

Endodontic treatment system

REISSUE: Reissue Application filed Apr. 26, 2001 (O.G. Sep. 4, 2001) Ex. Gp.: 3732; Re. S.N. 09/845,599, (O.G. September 4, 2001)

March 29, 2004 - Reissue Application filed Ex. Gp.: 3732; Re. S.N. 10/811,796 (O.G. July 20, 2004)

APPL-NO: 234290 (08)

FILED-DATE: April 28, 1994

GRANTED-DATE: April 27, 1999

LEGAL-REP: Bissell, Henry M.

Selected file: PLUSPAT
PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database

**** SS 1: Results 1**
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image

Patent Number :

US5897316 A 19990427 [US5897316]

Title :

(A) Endodontic treatment system

Inventor(s) :

(A) BUCHANAN LEONARD STEPHEN (US)

Application Nbr :

US23429094 19940428 [1994US-0234290]

Priority Details :

US23429094 19940428 [1994US-0234290]

Intl Patent Class :

(A) A61C-005/02

EPO ECLA Class :

A61C-005/02B1

US Patent Class :

ORIGINAL (O) : 433102000

Document Type :

Corresponding document

Citations :

USD250544; US-251598; USD283840; US1307446; US3908270; US4231738;
US4280808; US4299571; US4332561; US4340364; US4443193; US4518356;
US4527560; US4536159; US4538989; US4634378; US4674979; US4836780;
US4850867; US4934934; US4971556; US5017138; US5026284; US5125838;
US5219284; EP0257961 A; EP0501255 A; FR2597327 A; FR2617704 A; FR2647663
A; CH291668 A; CH657981 A
Mani Apical Reamer, Matsutani Seisakusho Co., Ltd. (four pages).

Single-Step Engine Reamer, Dental Products Report Jun., 1988 (one page).

Publication Stage :

(A) United States patent

Abstract :

An endodontic system of shaping instruments, irrigation cannulas, filling instruments and materials designed to safely create specific tapers of root canal preparations and to clean, dry, seal, and restore them. The shaping instruments are a series of reamers, files, and handpiece burs, made of stainless steel, nickel-titanium, or other alloys, which impart several different specifically-tapered apertures in root canals. The instruments have one or more safety features to eliminate perforating curved roots, including shorter flute length as the angle of taper increases and variable sharpness along the length of the flute portion, as well as variable flute pitch along the length of the flute portion to maximize cutting efficiency and resistance to breakage, and a rounded tip to eliminate ledging. The hand instruments have a handle designed to optimize use of the instruments in apically directed, rotary cutting motions. The irrigation cannulas, the condensation heat carriers, pluggers, injection needles, and backfillers, and the materials, including drying paper points, filling materials, and restorative post systems, have shapes which match the canal tapers created by the shaping instruments.

1 / 1 LGST - @EPO

Patent Number :

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Application Number :

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Action Taken :

20010904 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20010426

20040720 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20040329

Update Code :

2004-31

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

5,897,316 A 19990427 [US5897316]

Patent Assignee :

Buchanan, Leonard Stephen

Actions :

20010426 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010904
REISSUE REQUEST NUMBER: 09/845599
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

Reissue Patent Number:

20040329 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20040720
REISSUE REQUEST NUMBER: 10/811796
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

Reissue Patent Number:

Session finished: 10 NOV 2004 Time 15:21:46
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